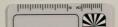
# ANNUAL REPORT OF THE

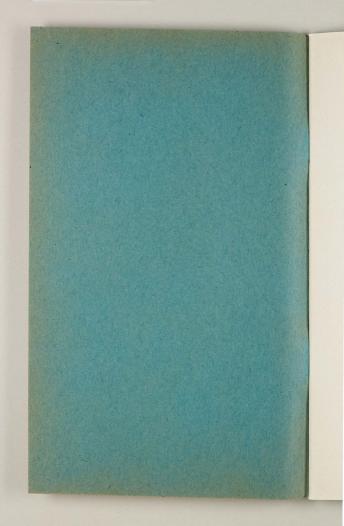
## AUCKLAND INSTITUTE AND MUSEUM

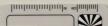
1946-47



For presentation at the Annual General Meeting to be held on 28th May, 1947.







## ANNUAL REPORT

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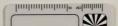
# AUCKLAND INSTITUTE AND MUSEUM

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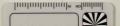


#### Staff of the Museum.

GILBERT ARCHEY, O.B.E., M.A., V. F. FISHER, M.A. J. C. ENTRICAN. Hon. Curator of English China C. REGINALD FORD, F.R.I.B.A. CAPT. G. A. HUMPHREYS-DAVIES. Hon, Curator of Oriental Collections BETTY E. G. MOLES-WORTH. MAJOR G. A. BUDDLE, D.S.O. Associate Ornithologist Associate Ethnologist .. .. OLWYN M. TURBOTT. M. H. BATTEY, M.SC. Education Officer Assistant Education Officer ... Librarian .. .. Library Assistant .. .. Typist .. .. .. .. PAULINE C. BOYD. C. W. DOVER. FRANK QUAYLE. 

#### Attendants:

J. STEWART, H. G. HOLLAMBY, S. M. BETTERIDGE, W. J. DUNLEVEY, G. H. THORNHILL.



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OF THE

## AUCKLAND INSTITUTE

AND

#### MUSEUM

1946-1947

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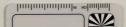
Representatives of Local Bodies: MR. P. R. BURTON. MR. A. MURDOCH. MR. C. M. McCULLOUGH.

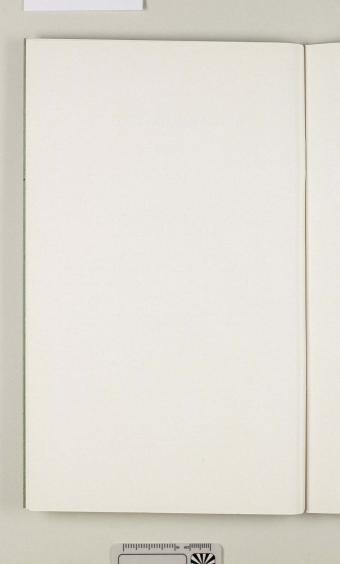
MR. V. J. LARNER (Chairman). MR. KENNETH B. MYERS, M.B.E. MR. E. ANDERSON. MR. A. T. PYCROFT.

MR. A. T. PYCROFT.

Director:

GILBERT ARCHEY, O.B.E., M.A., D.SC., F.R.S.N.Z.





## Reports to Members

#### President

This Institute has over the years received from members and from friends of the Museum many notable gifts, not only of specimens for exhibition, but also of money and other endowments.

Two years ago Mr. E. Earle Vaile transferred to the Museum Trust Board in trust for the Museum two valuable properties close to the city, and the Museum has already greatly benefited from that endowment.

This year Mr. Vaile has crowned that, and his many other given by the still further endowment comprising a very valuable freehold property in the heart of the city. This property, which is situated in Queen Street, is let for a term of years at an annual rental of £1,244, the tenant paying the rates. It will be seen that it would take over £40,000 invested in government bonds to produce the same revenue. The fee simple of the property has been transferred to the Museum Trust Board upon the same trusts as attack to the earlier gift, namely, for the purchase of Maori, South Pacific and Australian ethnographical collections and literature on the same areas and on New Zealand history.

This munificence on Mr. Vale's part is a continuation of the fine spirit of giving which he has always exercised towards this Institution.

Members will be glad to join with the Council in heartily thanking Mr. Vaile and in wishing him many years of continued health and well being.

The twenty-four Local Bodies who a short time ago increased the annual contributions to the War Memorial Museum will feel that their confidence in this Institution is shared by the citizens whom they represent, and among whom Mr. Vaile stands preeminent for public spirited generosity.

**Membership.**—The year commenced with a membership roll of 728, including 206 Life Members, of whom we lost 20 by death

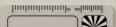
and 41 by resignations and deletions. A total of 66 have been elected this year and the roll now stands at 733, of whom 208 are Life Members.

Obituary.—The death of the following members is recorded with sincer regret: Miss E. Meb'ulle, Dr. R. H. Makgill, and Messrs. George Baildon, A. G. Cooke, F. J. Dignan, P. A. Edmiston, C. H. Fuzness, D. Holderness, E. Le Roy, T. E. Montgomery, F. O. Peat, J. N. Rishworth, J. W. Shamnon, C. S. R. Tilly, J. F. Wells, P. C. White, C. R. Williamson, A. M. Wilson and H. A. Wood.

Finance.—The past year was the first in which the generously increased contributions of the Local Bodies became payable; it was also the first since the opening of the War Memorial Museum that closed with a small credit balance in the Income and Expenditure Account. This position was, however, contributed to by a greater expenditure on permanent assets such as improved study-room accommodation and scientific equipment, and the balance carried forward in the Working Account is only £78 above the customary £1,400 kept in hand to meet expenditure in April and May. An increased commitment for salaries and the high cost of goods and services required for the Museum still call for careful budgeting in the future. It will be seen that the whole of the net revenue from the Edward Earle Vaile Trust Fund was spent; a valuable ethnographical collection and a number of important books on early voyages of discovery and the history of New Zealand, purchased from the fund, have enhanced both the Museum and the Library

Cheeseman Memorial.—To commemorate the distinguished secretices of the late Mr. T. F. Cheeseman to the Auckland Museum and his notable contributions to botanical science, the Council decided to name the main natural history hall the Cheeseman Hall. A commemorative bronze plaque has been placed at the entrance to the hall, and Her Excellency Lady Freyberg kindly came to Auckland to perform the combined function of unveiling the plaque and declaring open the eleventh Cheeseman Memorial Native Spring Flower Show.

Honours.—Members will wish to join with the Council in congratulating Sir. Peter Buck, K.C.M.G., and Sir Cecil Whitney on the honour of knighthood conferred on them by His Majesty the King. Congratulations are also extended to Professor H. G. Forder on the award of the Hector Medal. The medal was presented on behalf of the Council of the Royal Society of New



Zealand by Dr. Archey, Past President, at a special meeting at which Professor Forder delivered an address, "Are there Laws of Nature?"

At the last Annual Meeting the members elected Professor H. W. Segar and Mr. W. G. White Honorary Life Members in recognition of their notable services to the Institute and Museum.

War Memorial.—During the past year the question of a memorial to those who died in the Second World War has been exercising the minds of the people of Auckland.

In this connection the Council supplied to His Worship the Mayor, at his request, information concerning the educational and cultural activities of this institution. The Institute's honorary architect, Mr. Keith Draffin, also at the Mayor's request, prepared a design for a suggested extension of the Hall of Memories, together with plans for further Museum space both for exhibits and for the educational services which have become such a feature of the Museum's activities.

The final decision as to the nature of the Memorial rests, of course, with the public as a whole. As custodians of the War Memorial Museum, and having on our Council representatives of the Local Bodies who contribute towards its maintenance, we cannot but have a vital interest in the War Memorial as it stands today.

That Memorial at the present time is incomplete. To keep the Hall of Memories as a living memorial the names of those from the Auckland Province who made the supreme sacrifice in the Second World War must be added, but in a position not secondary in any way as compared with the position of the names already there. The shrine should still be in the centre of the enlarged Hall of Memories, and the installation of stained glass windows, for which considerable funds are already available, should be a prime element in the new conception. Space for the appropriate recording of Battle Honours will also need to be provided.

A worthy design will be one that with dignity and beauty will symbolize this: that love and self-sacrifice in service to one's fellow-man under all circumstances transcends all other human endeavours.

If these things be done our War Memorial will not be divided. Let us hold fast to the high ideals inspired by our gallant dead of both wars, and at the same time maintain the unity of the memorial to their common sacrifice.

J. C. RENNIE.

#### Chairman of the Trust Board.

The Endowment Account has made a monetary increase of £178/17/4, chiefly from life members' subscriptions (£105) and Houghton bequest (£08/1/7). At the same time there is recorded in the Capital Account the largest accession ever received by the Auckland Institute and Museum, the valuable Queen Street property, conservatively entered at £30,000, presented by Mr. E. Earle Vaile. Mr. Vaile having himself undertaken to bear the expense of certain roof repairs that could not be effected during the war, the Board, and the Museum, will be able at once to benefit by the full return from the property.

Certain mortgages and government stock were repaid and the proceeds, together with some reserves and small endowment increments, were invested in government stock, £3.176, and war savings certificates, £3.500. Annual capital repayments by the mortgagors are satisfactorily increasing the margin of security in each case, and no interest payments are in arrears. The greater part of the investments is now in government stock or war savings certificates and local body debentures.

The endowment of the Institute and Museum now comprises  $\pounds 40,000$  E. Earle Vaile Trust properties and  $\pounds 36,201/3/4$  investment capital, a total of  $\pounds 76,201/3/4$ .

V. J. LARNER.

#### Director

Institute Meetings.—During the last year we returned from the previous year's set of lectures on one theme to the usual arrangement of a full syllabus of eight lectures on a wide range of subjects. Our cordial thanks for lectures given are due to:—

Professor V. J. Chapman: "Mangroves."

Dr. E. E. Chamberlain: "Viruses—Their Nature and Role in Plant Diseases."

Dr. C. P. McMeekan: "The Effects of Undernutrition upon the Animal."

Dr. G. Blake Palmer: "Lepcis, Oea and Sabratha—Losa Cities of Libya."

Dr. Elizabeth Hughes: "Penicillin et al; A study of Antibiotics in Medicine."

- Lt.-Col. W. Wesley Clemesha, C.I.E.: "The Earliest Known Epidemic: First Egyptian Dynasty."
- Dr. Gilbert Archey: "Ancient Civilisations of Further India and the East Indies."
- Dr. H. H. Allan: "Tussock Grasslands: a Safeguard Against Erosion."
- Mr. W. R. McGregor, B.Sc.; "The Preservation of Waipoua Forest."

Professor H. G. Forder: "Are there Laws of Nature?"

Two ordinary meetings were held, papers being presented by Professor V. J. Chapman, Dr. J. Hardie Neil and Dr. W. Gilmour, and Messrs. J. D. Atkinson, R. A. McIntosh, F.R.A.S., and Mr. E. G. Turbott.

**Sunday Lectures.**—A wide choice of subjects was also offered to the Museum visitors who attended the Sunday afternoon lectures in the Library.

- Mr. A. D. McKinnon, B.Sc.For.: "Perpetuation of Native Forest."
- Dr. H. H. Allan, F.R.S.N.Z.: "New Zealand Alpine Plants."
- Mr. E. J. Searle, M.Sc.: "The Geological Foundation of Auckland."
- Dr. G. Blake Palmer: "Umbria, and the Journeys of St. Francis of Assisi."
- Mr. C. Reginald Ford, F.R.G.S.: "Pottery and Porcelain."
- Miss M. W. Crookes, M.A.: "Plants of the Water."

Members of the staff continue to give lectures to outside organisations. These totalled 50: Miss Lloyd 8, Mr. Powell 10, Mr. Fisher 11, Mr. Turbott 8, Miss Molesworth 1, and the Director 12.

Anthropology and Maori Race Section.—The Section experienced a successful year. The membership increased to 37 and attendances at lectures showed a marked improvement, while the discussion following the lectures was usually vigorous and sustained.

Lectures were delivered by Colonel W. W. Clemesha, Dr. G. Archey, Dr. G. B. Palmer, and Messes, J. C. Andersen and R. A. Scobie.

The officers for the year were: Chairman, Mr, R. A. Scobie; Vice-Chairmen, Mr. A. D. Mead and Dr, G. B. Palmer; Hon. Secretary, Mr. V. F. Fisher; Committee, Miss O. L. G. Adams, Miss L. Chrisp, Mrs. O. M. Turbott, Mr. J. Paykel, Mr. A. T. Pyeroft; Hon, Auditor, Mr. H. B. Wilkinson.

The Section has benefited from the arrival of Mr. Johannes C. Andersen, who is now residing in Auckland. Indications for the future both in membership and activity are very hopeful.

Astronomical Section.—The Auckland Astronomical Society has received a bequest of £1,500 which will be devoted towards the purchase of a telescope and the erection of an observatory, when building materials become more plentiful. The Officers of the Section are: President, Mr. R. A. McIntosl; Vice-President, Professor P. W. Burbidge; Committee, Messes, W. A. Jackson, S. Mayer. T. Rounthwaite, R. Sharp, R. D. Thompson; Secretary-treasurier, Mr. J. L. Stichbury.

Exhibitions.—"Jade" was the subject of a special exhibition arranged in January by Captain Humphreys-Davies, Hon. Curater of Oriental Collections. Three show-cases of pieces from the Dadley, Rutherston, Sir George Gray and Humphreys-Davies collection provided the Chinese section, and Maori hei tiki, matua, pekepeka and other pendants, together with beads, maces and axes from New Caledonia, were the South Pacific contribution. The exhibition was opened by Dr. F. J. Gwynne at a Saturday afternoon function.

A special exhibition of Philately, arranged by Mr. Powell, was opened by Mr. A. W. Parker, Deputy Chief Postmaster, at an evening gathering on the 11th December. The material, special New Zealand issues and all phases of stamp production, was provided by the New Zealand Government through the courtesy of the Director-General, Post and Telegraph Department, Wellington.

The numerous exhibits presented during the year include a builder's model of T.S.S. "Opawa" presented by the New Zealand Shipping Company, a gift from the Otago Museum of a selected series of the fine collections brought from Egypt by Colonel Waite, Pacific Wær weapons and records from Northern Command, from Brigadier Dove and from Mr. J. C. Whitney, an excellent Maori

canoe prow brought back from England by Mr. T. H. Hopkins, special minerals obtained through the R. C. Horton Fund, and a very fine pair of rainbow trout preparations presented by Mr. C. W. Dover.

Publications.—Concentration on the preparation of hand-books and educational leaflets prevented the issue of the usual part of the "Records." A guide to the Jade exhibition by Captain Humphreys-Davies and two leaflets, "How to make an Insect Collection" and "Life Histories of New Zealand Insects," by Mr. Turbott were published; the issue of Mr. Powell's completed hand-book, "New Zealand Animals," is held up by lack of the necessary paper; a new edition of South Sea Folk awaits the completion of certain illustrations, and handbooks on English and European China by Mr. Ford and on Silver by Mr. Comyns are in preparation.

Research.—Field work has been undertaken by all members of the staff and details will be found in their reports. Improved accommodation has been provided for the Geology and Entomology Departments and a set of steel storage cabinets and specimen containers has been distributed among the departments. Enquiries for a suitable petrological microscope were unsuccessful, and neither wooden nor steel book-shelves could be obtained. The prevailing shertages of timber, scientific equipment, stationery and binding materials, and of supplies for display have constantly hampered staff endeavours during the vear.

Education.—Constantly increasing demands on the School Service call for at least one additional assistant. The Department and the Education Department have not yet been able to meet the Council's requests for an additional teacher, but it is hoped the appointment of an assistant preparator for setting up loan displays may be approved.

The question of adult education, particularly in science, has been considered by the Council, at whose invitation the following gentlemen have agreed to act as an Adult Education Committee: Professor V. J. Chapman, Messrs. P. Martin Smith, A. W. B. Powell, P. R. Parr, N. H. Burton and V. F. Fisher. Lack of lecture-room and club workshop accommodation in the Museum is a present handicap to this work, but the Committee's suggestions for co-operation with other adult education organisations will provide for immediate activity. A new cinema-sound-projector, the gift of Sir Frank Mappin, is on order from London and will be

a valuable help to our educational work, as well as an opportune complement to the production of natural history films by means of the Cinematography endowment established by a lady member of the Institute two years ago.

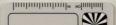
Museum Policy.—Dr. W. R. B. Oliver's valuable report on national museum policy was closely considered by the Council, and it was agreed that an essential first step in the formulation of such a policy was to establish a New Zealand Museums Association. In co-operation with the Library Committee of the City Council the Council agreed to sponsor a conference of representatives of Museum Councils and staffs, and Dr. Oliver has agreed to convene the meeting dwing the coming year. The question of a policy on Museums in Auckland City bas also been considered by the Council and will be the subject of discussions with the City Council and the Mackelvie Trustees during the year.

Forest Preservation.—The Council has been represented on the Waipoua Forest Protection Committee and has made representations to the Commissioner of Forests for the setting aside as a National Park of the whole of the 27,000 acres of indigenous forest in this area. In order that members might be informed on the matter, lectures were arranged to be given by Mr. A. D. McKinnon, of the Forestry Service, and Mr. W. R. McGregor, who has been prominent in the movement for the reservation of the whole zera. The Council has also discussed the intrusion of exotic pines on Rangitoto, and the Scenery Preservation Committee now has before it a report by Miss Molesworth on the situation.

Staff.—Members of the staff join in expressing their deep regert at the death of Mr. Marshall C. Cleland, who had only recently retired from the post of Librarian. Mr. Cleland was the senior member of the staff, having served the Institute and Museum for thirty-five years. His cheerfulness and his ready willingness will long be remembered by many members of the Institute as well as by his staff colleagues.

Captain Humphreys-Davies, Hon. Curator Oriental Collections, is visiting England.

Mr. R. A. Scobie is congratulated on his being awarded a schalbilitation scholarship at the London School of Economics. Miss Lloyd has returned as Education Officer and Miss Hurrey has been re-appointed Assistant Education Officer.



Dr. A. R. Lillie, who was appointed Geologist at the beginning of the year, resigned in February to accept a lecture-hip at Victoria University College; Mr. M. H. Battey, M.Sc., has since been appointed by the Council in his place. The appointment of a full-time geologist has terminated the position of Associated Geologist which Mr. C. W. Firth has kindly filled during most of the last twelve years; members of the staff join in thanking him for the skilled displays he made and for the great help he has willingly given to all of us during this time.

#### GILBERT ARCHEY,

Director.

#### Assistant Director

The year has been taken up to a large extent with routine duties of labelling, indexing and maintaining collections. Considerable arrears of work resulted from calls on time in the previous year with administrative duties during the absence of the Director. It can now be reported, however, that the collections are in better order and are more accessible than they have been at any time previously.

Major tasks completed during the year were the labelling and arranging for reference of over 1,500 deep-water dredging samples, 1,200 boxes of research and reference lots of mollusca and a complete overhaul of about 8,000 jars and phials of spirit specimens.

Considerable progress has been made with loose-leaf reference sheets collating original descriptions and subsequent references to all New Zealand molluses, recent and fossil. Over 3,000 sheets comprising 28 volumes have been completed.

In the exhibition halls two fish cases have been renovated with new backgrounds. A complete series of New Zealand postage stamp issues, presented by the New Zealand Government, has been arranged in six frames and placed upon permanent exhibition. A special exhibition of New Zealand postage stamps was onened at the Museum on the evening of 11th December. Material additional to the permanent display was loaned through the courtesy of the Director-General, Post and Telegraph Department, Wellington.

A Museum natural history hand-book entitled "Native Animals of New Zealand" has been completed and is in the press.

It is illustrated with over 400 specially prepared line drawings, and describes in non-technical language most of the common native animals of all groups. A similar work for use in secondary schools has been completed for the Education Department.

Ten lectures were delivered and two papers completed for the current number of the "Museum Records":

"Distribution of Placostylus land snails in Northern-most New Zealand."

"Phylogeny of the Molluscan Genus Verconella with Descriptions of New Recent and Tertiary Species."

In addition a summary, "New Zealand Report on Ecology and Paleoecology," prepared for the National Research Council, Washington, has been published. Also a second edition, revised and calarged, of my "Shellfish of New Zealand" was published in July, 1946.

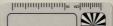
At the request of the science masters of the Auckland Grammar School, field days were conducted for the study of marine fauma.

Two field trips, made possible by Mr. A. C. O'Connor, of Wellington, who provided motor transport, resulted in many important additions to the land molluscan collections. The areas visited were Marlborough Sounds, Westport to Karamea, and the North Auckland East Coast from Whangarei to the Bay of Islands.

While at Seddonville the services of a local resident, Mr. W. H. Johnston, were enlisted and he has since provided much useful data and specimens for the purpose of working out snail distributional areas for that district. Further work of a similar nature by Mr. A. C. O'Connor, Mrs. I. Worthy and Messrs. R. A. and H. S. Prouse of Levin has yielded important results.

Major G. A. Buddle and Major M. Johnston succeeded in landing upon two hitherto inaccessible islands of the Three Kings Group. The material they brought back and presented to the Museum includes two new species of large land snails, as well as specimens and eggs of the large land snail, Placostylus bollonsi, from a new locality. Mr. E. G. Turbott made an impertant addition to the collections by locating a further colony of Placostylus bollonsi on Great Island of the Three Kings Group.

Other noteworthy additions to the collections were Kermadec Island mollusca from Mr. J. H. Sorensen, Jarvis Island mollusca



from Mr. W. Hudson, and an example of the King Crab, *Limulus*, found alive at the Great Barrier Island by Miss Freda Davies.

The Museum Conchology Club completed its sixteenth year in March with a membership roll of 52. Well-attended evening meetings were held monthly at the Museum, a new feature being a half-hour study-group conducted prior to each meeting. At the last annual meeting of the club Mr. R. K. Dell, who was recently appointed conchologist to the Dominion Museum, Wellington, was elected an honorary life member in recognition of the keen interest he has taken in the club's activities during the entire period of its existence.

The reference collections have been used by research students on many occasions during the past year, and have proved especially useful to members of the staff of the New Zealand Geological Survey, studying mollusca and mazine ostracoda.

A large number of enquiries relating to marine fauna were handled, including small collections from schools sent in for identification.

A. W. B. POWELL.

#### Ethnologist

The collections were enriched by the addition of 5,062 specimens during the year. Accessions of importance included further Maori specimens from Mr. E. Earle Vaile, a fine collection of Egyptian material from Otago Museum, a carved cance prow presented by Mr. T. H. Hopkins, a beautiful Maori feather cape, the off to f Miss Ruth Winiata, and a wooden maul from Mr. J. Dawson.

Information has been supplied to a large number of people, including students, engaged in graduate and post-graduate studies. Colonial Service officials and missionazies in the British Solomon Islands have been assisted with data relating to the native people of that area. In connection with the Cheeseman Memorial Spring Flower Show, an exhibit stressing the value of native plants to the Maori was prepared. A small display of Maori and Melanesian art was arranged for the Metropolitan Youth Service Committee. At the request of the Woman's Chazter Movement, specimens illustrating New Zealand and South Pacific native handcrafts were leaned. Other specimens have been loaned to a variety of organisations, including Native Schools, Boy Scouts, Girl Guides, W.E.A., church groups and public schools.

Five lectures were delivered to outside bodies and six lectures given to students from the Teachers' Training College who have been on section at the Museum. A course of 22 lectures on "Maori Life and Culture" was delivered under the auspices of the Adult Education Centre; three visits were paid to the Museum by the class and several members joined the Institute, and others the Anthropology Section.

The Boys' Ethnological Club held 24 meetings, at which talks and demonstrations were given on various phases of Maori and Oceanic ethnology. Six boys from the club assisted at the Cheeseman Memorial Spring Flower Show, while several have prepared morning talks for their respective schools. Miss M. Peat, of the Children's Department of the Public Library, co-operated in order to give the boys an insight into available ethnological literature.

Following the appointment of the Librarian, general supervision of the library and the cataloguing of the anthropological and geographical works ceased at the end of October; prior to this, a considerable amount of time had been given this task. Further work was done in building up the section devoted to Oceanic language texts.

At the request of Mr. Chauncey J. Hamlin, Buffalo, New York, U.S.A., a New Zealand Committee for International Cooperation among Museums was formed and the office of Honorary Secretary undertaken. During the year the position of Honorary Secretary of the Anthropology and Maori Race Section of the Institute was accepted.

Some time was devoted to the exchange of specimens with other museums. New Zealand and Solomon Island material was sent to the Buffalo Museum of Science, Buffalo, New York, U.S.A. Californian ethnographical specimens were received from the University of California, Berkeley, California, U.S.A. Other negotiations are in progress, and it is hoped to extend the system of exchange in the immediate future.

Field work covering a period of two weeks was executed in the Hauraki Gulf. Considerable time has been occupied with the care and classification of the extensive research collections, but shortage of space restricts to some extent the fullest use being made of this valuable asset to the study of anthropology. In the registration and preservation of specimens valuable work has been performed by Mr. T. Lambert. General inquiries continue to occupy a large amount of time.

V. F. FISHER.

### Associate Ethnologist

The rearrangement of the Pacific Hall has continued this year with the completion of a number of new exhibits. These include a display of New Hebrides, Rennell and Tikopia material, and regrouping of the Gilbert Island displays, where the inclusion of much new material from the Maude Collection has allowed us to represent all important phases of atoll culture. Several new centre cases have been used to display ornaments. One of these is devoted to a description of the Kula exchange in eastern New Guinea, illustrated by the necklace and arm shells which form the ceremonial objects of trade.

The typed labels throughout the hall are being replaced steadily by printed ones in large, clear type for greater legibility.

Miss Baker, of Napier Museum, spent three weeks here in August studying Museum method in the ethnology and other departments, with special attention to display technique.

Assistance has been given to the School Service throughout the year; another phase of educational work has been Museum visits by occupational therapy students.

O. M. TURBOTT.

#### Botanist

A main event in the department has been the recommencing of the annual Cheeseman Memorial Native Flower Show. Owing to war conditions these shows had had to be suspended after 1941. This, the eleventh, was opened on 21st September by Her Excellency Lady Freyberg, who is a keen flower lover. Despite inclement weather, attendances on the first two days were 4,350, which indicates that this revival was keenly sought. The total attendance was 6,143.

The Botanical Society, which assisted with the Flower Show, published and sold a catalogue listing the plants exhibited. Members subscribed generously towards prize money for the children's competitions as well as giving great support with personal help. This latter, which was so willingly and enthusiastically given, was greatly appreciated. Thanks are due to Miss Lloyd, who returned to the Museum a week before the opening of the show, and immediately took over the whole of the children's section.

Although difficulties were encountered with transport and equipment shortages, it was gratifying to have so much response to appeals sent out for display material. These resulted in native

flowers and foliage being sent from Stewart Island to as far north as Kaitaia. If the shows are to be continued annually it is essential that more trestle tables, vases, and scrim be secured by the Museum, as the practice in the past of borrowing is not satisfactory.

Miss A. M. Rodewald, who has been employed part time as a state as

The department has been rich in accession of herbazium material, the chief being: large set of Three Kings Islands plants, including important material of undescribed species, from Mr. E. G. Turbott; smaller set from the same locality, Major G. Buddle, From Miss J. Livingston, three large sets of Australian plants, and newly described cyperaceous plants from Mr. E. V. Cook. Bryophytes have been received from Fiji. Norfolk Island, Queensland and localities within New Zealand. Professor Arnold Wall presented a collection of plant lists and botanical letters from the late Dr. Cockavne, Mr. Cheeseman, and other well-known botanists, and the whole of Mr. Cheeseman's scientific correspondence has been given by Mrs. Gay Cheeseman.

During the year special effort has been made, mostly by personal collecting, to secure additional specimens of pressed plants to be used during the forthcoming year for overseas exchange, to build up the foreign collections in this herbarium. Cataloguing the native plants in the Cheeseman berbarium has been completed, and it is hoped to now commence the additional collections.

Arising from many enquiries received at the beginning of the season, fresh material of hemlock was displayed for over two months in the Cheeseman Hall. This was set up as an aid to identification as well as to draw attention to the poisonous properties of the plant.

A week was spent in Wellington in February studying the methods of maintenance and classification used in different herbaria.

The native flower table has been, throughout the year, well supplied with fresh material. Thanks are due to the City Council Parks Superintendent, Mr. J. A. McPherson, for allowing the flowers to be obtained from the native section in the Auckland Domain.

B. E. G. MOLESWORTH.

#### Ornithologist and Entomologist

The earlier-used entomology study room having proved inconvenient, new accommodation has been provided on the ground floor, and the collections are now adequately housed with space for expansion.

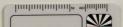
Major G. A. Buddle's continued assistance-has again been a valuable contribution to the maintenance of the bird collections.

The demand for information on local insects by teachers and others has been so insistent that the series of educational leaflets has been recommenced. The first two, "How to Make an Insect Collection" and "Life Histories of New Zealand Insects," have been prepared in co-operation with Miss Lloyd, and it is hoped that the information in them, collated from relatively inaccessible technical journals, will both assist the schools and provide for the growing general interest in New Zealand insects. Over four thousand copies have been sold within a month of issue.

In display a re-assessment of the labelling and arrangement of the Hall of New Zealand Bird Life has been made with Miss Lloyd's help: the existing type-written information is being expanded and printed in more legible heavy type. The grouping of birds according to habitat has proved successful for visiting school class teaching, and will be retained; one case has been recast under the title "Birds of Scattered Forest and Open Country."

Field work during the year began with a six weeks period on Great Island, Three Kings, at the invitation of the Department of Internal Affairs. A detailed report, describing the effect upon the vegetation of the goat population destroyed by the party, was subsecuently furnished to this Department. The work achieved on the island included the marking out of permanent quadrats for ecological study; collecting of zoological, botanical and ethnological specimens, including 500 insects and other invertebrates; and making a 400ft, cinema film.

Field trips have also been made to Hen Island, the Firth of Thames and the Whangarei and North Cape districts. Stormy weather in August resulted in a notable accession of petrels, local members of the Ornithological Society of New Zealand co-operating to bring in specimens cast ashore.



A.W.E.A. and Adult Education course of eleven lectures on "Biology and Man," regularly attended by 28 members, has provided an opportunity to extend the use of Museum material and displays. Other lectures have totalled eight, including two arranged by the Ladies' Gardening Club at Whangarei.

Information with reference to wild life problems has again been provided for the Auckland Acclimatisation Society.

Two papers, in addition to short field notes, have been completed for publication in "New Zealand Bird Notes," the bulletin of the Ornithological Society of New Zealand: "Petrels cast Ashore by August gales, 1946, with special reference to Pachyptila vittata" (in collaboration with Mr. R. B. Sibson), Vol. 2, No. 2; and "Birds of Little Barrier Island" (in the press).

E. G. TURBOTT.

#### Education Officer

The numbers of secondary and intermediate pupils attending classes have now increased to 7,694 and 6,774 respectively; with primary school attendances of 10,830, the total for the year was 31,298. Weekly lessons continue to be given to children from the Institute for the Blind, and during the year Polish and Dutch refugee children have attended Museum classes.

Question sheets are found to be of considerable assistance to teachers and children visiting the Museum, and additional sets are now made in three grades, primary, intermediate and secondary, for each subject. Increased class work has severely limited the preparation of loan material, but, in co-operation with Mr. Turbott, eight sets of biological material for secondary schools have been prepared as well as 20 bird boxes. The material now in circulation comprises 65 permanent glass-fronted display cases, 63 leatherlite cases each with a mounted bird, 7 boxes of loose material with notes and photographs, 8 sets of biological and 7rt material or secondary schools and 19 large displays for school museums.

This material has been sent to 165 town and country schools, but the requests of 77 other schools and organized groups of distant country schools could not be supplied for lack of prepared material.

The Cheeseman Prize for 1946 was given, in the Secondary school competition, for projects on concealment and camouflage among animals and on methods by which plants are adapted to their environment; and, in the primary grade competition, for a project on seed dispersal. The standard of work in both classes was very high. In co-operation with Mr. Turbott schedules for the 1947 competition were prepared and distributed in December, to give the children ample time for collecting insects. The competition is for a collection of 20 native insects with accounts of the life history of two species.

The 1946 Cheeseman Memorial Spring Flower Show, held in September, brought an excellent response from the schools, particularly from country schools. The total number of competition entries was 233, and the number of children visiting the Flower Show in organized groups was 1,030. Schedules for the 1947 Show were sent out to the schools in December.

The Museum educational staff has assisted with the training of 53 Training College students who were posted to the Museum for teaching practice. The students have given much help in conducting classes round the displays. Each group of returned soldiers undertaking a Training College refresher course has spent a day in the Museum with the Education Officer and many have returned later for additional information about museum material available for loan to schools. All first-year students and the graduate students training for secondary school teaching have also paid a full day's visit to the School Service department.

Much time has been given to repairs and additions to the loan collection and to preparation of new lantern slides; 113 slides and five new large display cases have been prepared, and 160 bird specimens were checked and renovated.

The Education Department increased the grant for School Service expenses from £55 t £100 for the past year. Miss Hurrey was reappointed as Assistant Education Officer for 1947; she has done splendid work throughout her service at the Museum. An application for a second assistant was made, but the Education Board replied regretting that it could not recommend the application to the Education Department.

Z. O. LLOYD



#### Librarian

During the year, over 800 books have been added to the Library, 572 of these having been purchased from the Edward Earle Vaile Trust Fund. Among the latter are many scarce and valuable works on early voyages and the Pacific.

We are now resuming exchanges with a number of institutions which were in enemy-occupied countries or whose publications ceased during the war. Before the war we maintained an exchange service with over 200 institutions, and it is hoped that exchange of publications with all of these will eventually be resumed.

Periodical subscriptions number 40, but a further 160 serial publications are received currently by the Library either as donations or exchanges. There are a number of gaps in our files for the war years, but it is hoped that these may be eventually filled.

1,993 books and journals have been borrowed by members during the year, and some use has also been made of the interloan system.

An approximate estimate of the stock of the Library, which is all that is possible at present, is 17,000 volumes, about 2,000 of which belong to the New Zealand Collection. As it seems probable that additions for the coming year will at least equal if not exceed those of the past year, the greatest problem to be faced is that of space. All available rooms have been filled almost to capacity. In the Reading Room itself there is little more shelf room, and owing to the difficulties of obtaining suitable timber for shelving, there seems little prospect of the situation being improved.

Donations of books or periodicals have been received from the following:—  $\,$ 

Hon, T. Bloodworth, Right Rev. Bishop J. M. Liston, Professor Worley, Dr. Archey, Mrs. G. Fairfield, Misses E. M. Upton, E. M. Stevenson, Messrs. G. M. Fowlds, T. W. Meller,

G. Winstone, C. M. McCullough, C. R. Ford, A. T. Pycroft, F. Thomas, H. Stewart, E. G. Turbott, R. A. McIntosh, H. R. Hesketh, J. Stewart, J. S. Triggs, R. C. Clark, A. W. B. Powell, C. A. Fleming, W. G. White, H. Batley, W. Hudson, D. Strang, S. Edwards.

A list of periodicals subscribed to and a list of those received either by donation or exchange will be found in the Appendix.

E. A. EVANS.

		For	the Yea	ar.	Ende	ed 31	lst March, 1947.
			£	S.	d.		£ s.
To	Balance		922	17	1	By	Salaries and Wages 7,677 10
				14	1		
				10	6		Library Expenses
			23	6	0		Library Books
	Life Members			0	0		Institute Expenses
	Interest—						Specimens—
	Mortgages		303	- 4	6		Purchase 197 12
	Debentures		259	7	6		Collecting and Travelling 90 19
	Government Stock		715	18	. 8		
	Local Body Contributions		10,668	0	0		School Services, Education, Prizes 55 18
	Sundry Receipts		44	4	7		Publications, Photos,
	Sale of Publications, Prints		27	2	8		General Maintenance 630 19
	Rents from E. E. Vaile Property		978	8			
	Houghton Bequest		68	1	7		
	Receiver Land Revenue-						Maintenance 146 17
	Sales		2	8	. 9		Show Cases and Furniture 855 16
	Rent and Interest		20		9		Building Extension 452 6
	Mortgages-Reduction of Principa		62		0		Auckland Museum Maintenance Amendment
	Mortgages repaid		3,725	0	- 0		Act. 1931 (Section 37)—
			1,400	0	- 0		Entertainment, Wreaths 14 7
	Contributions-						E. Earle Valle Property Trust Fund-
	Specimens Purchase			- 1	8		Ethnographical Specimens purchased 164 17
	Shrine Account				0		Library Books purchased 360 7
	Special Donations		88	9	3		Maps purchased 28 2
	Transfers-						Outgoings on Property 311 19
	Geology Department Reserve				.0		Obsolescence Fund A/c—Balance, 1945-46 13 1
	Mackechnie Library Fund				0		Obsolescence Fund A/c-1946-47 100 0
	Gunson Specimen Fund		25	- 0	0		Transfers—
			200	- 0	0		Investment Account 5,187 0
							Life Subscription Account
							Specimen Purchase Account 63 1
							Shr.ne Account 23 4
							Buildings Reserve Account 1,000 (-
							Museum Endowment Account 2 8
							Houghton Bequest 68 1
							Balance 1,478 6
			£20,257	15	8		£ 20,257 15

Munitimitaniania

## INCOME AND EXPENDITURE ACCOUNT. For the Year Ended 31st March, 1947.

EXPENDITURE.			INCOME.	
		£ s. d.		£ s. d
To Salaries and Wages Insurance General Maintenance School Services, Education, Prizes Publications, Photos. Institute Comment of the Comment United States of the Comment Entertainment, Wreaths Building Maintenance		630 19 4 55 18 9 354 16 8 265 0 10 14 7 6	,, Sundry Receipts ,, Sales of Publications, Prints, etc. ,, Auckland Savings Bank Interest ,, Post Office Savings Bank Interest	1,229 17 105 0 10,668 0 24 3 27 2 18 19
" Subscriptions Written Off " Transfers— Life Members' Capital Account Memorial Hall Trust Account		97 13 0	, Rent—Receiver Land Revenue , Sales—Receiver Land Revenue , Memorial Hall and Specimen Purchase , Special Donations	2 8 86 5
Specimens Purchase Museum Endowment Account Buildings Reserve Depreciation—Buildings Depreciation—Furniture		63 1 8 2 8 9 1,000 0 0 1,034 16 11 574 15 9		
, Balance	_	£12,877 8 2		£12,877 8

#### EDWARD EARLE VAILE PROPERTY TRUST.

		2	8.	d.	£ s. d.	£	S.	d.
To Ethnological Specimens purchased , Library Books purchased , Maps purchased , Obsolescence Fund—Bajance, 1945-46 , Obsolescence Fund, 1946-47		360 28 13	17 7 2 1 0	4 9 8	By Gross Rents received to 31/3/47	131	12	
					Nett Revenue	666	8	9
		£666	8	9	£	666	8	9

#### MUSEUM ENDOWMENT ACCOUNT.

						£ s. d.	1 -	Balance, 1/4/46-					2	8.	
To I	Balance, 31/3/47— Investments Cash at Bank					12,513 17 5 1,627 13 0	By	Investments Cash at Bar					13,357 861		
	Less Reserve for	Depreciation	of In	vestme	nts	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Add R.L.R.					14,219	2 8	
								Less Reserve fo	or Dep	reciatio	n of Inv	estments	14,221 355		
					£	13,865 16 1						100	£13,865	16	
		*.	L	IFE M	1EMI	BERS' SUB	SCRIF	TION ACCOUNT	г.						
						£ s. d.	1_						.c	s.	
0 1	Balance, 31/3/47— War Savings Investments	Investments				$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Balance, 1/4/46— Investments Transfer from In		and Ex	enditure	Account			
						€3,421 11 5							£3,421	11	
									-						
				ACCU	MUL	ATING EN	DOM	MENT ACCOUN	1						
				ACCU	MUL	£ s. d.	Dow	MENT ACCOUN	1.				£	s.	
Po :	Balance, 31/3/47			ACCU 			By	Balance, 1/4/46 Interest to 31/3,		:: ::	::		382	17	
Po :	Balance, 31/3/47					£ s. d.	By	Balance, 1/4/46			212		382	17	-
20	Balance, 31/3/47	30 00				£ s. d. 386 5 6 £386 5 6	By	Balance, 1/4/46					382	17	-
						£ s. d. 386 5 6 £386 5 6 ECHNIE BE	By	Balance, 1/4/46 Interest to 31/3,	/47				382 3 £386	17 8 5	-
ro I	Balance, 31/3/47  Library Books pur Balance, 31/3/47	rchased				£ s. d. 386 5 6 £386 5 6	By	Balance, 1/4/46 Interest to 31/3,	/47				382 3 £386	17 8	

#### SIR JAMES GUNSON TRUST ACCOUNT.

To Specimens purchased ,, Balance, 31/3/47	**	.:	 ::	***	£ s. d. 25 0 0 212 3 4 £237 3 4	By Balance, 1/4/4 Interest to 31/		 **	 **	£ s. c 231 7 1 5 15 £237 3
				MEM	ORIAL HAL	L TRUST FUND.				
To Balance, 31/3/47					£ s. d. 596 7 11	By Balance, 1/4/46 ,, Interest to 31/3 ,, Transfer	3/47			£ s. d 562 12 10 11 23 4
					£596 7 11					£596 7 1
				SPE	CIMEN PUI	RCHASE FUND.				
To Specimens purchased ,, Balance, 31/3/47					£ s. d. 200 0 0 706 6 11	By Balance, 1/4/46 ,, Interest to 31/ ,, Transfer	3/47			£ s. d 831 14 11 11 63 1
					£906 6 11					£906 6 1

#### AUCKLAND INSTITUTE AND MUSEUM Balance Chart on an 21st Manch 1947

LIABILITIES.			ASSETS.		
Capital Account— Property as at 31/3/47— Buildings	£ s. d.	£ s. d.	Buildings— 1st April, 1946 20 Extensions added	£ s. d. 16,364 12 1 452 6 0	£ s. d.
Vaile Trust Property Library Furniture Specimens	40,000 0 0 5,000 0 0 22,384 2 0 150,136 12 11		Less Depreciation	06,816 18 1 1,034 16 11	205,782 1 2
General Account—		439,108 15 2 10,319 10 5	Property Furniture and Fittings—		40,000 0 0
Costley Bequest	2,000 0 0	Ter San	1st April, 1946 2 Additions		
Campbell Bequest	1,000 0 0 1,000 0 0 1,000 0 0 1,000 0 0		Less Depreciation		22,416 13 11
Marshall Bequest Harding Bequest Nathan Bequest Pond Cheeseman Bequest	550 0 0 500 0 0 100 0 0		1st April, 1946 15 Additions 15 Library Books—	194 18 3	160,015 8 1
Gore Adams Bequest	100 0 0 100 0 0 521 16 0 2,000 0 0		Additions	397 19 5	10.853 1 3
Cinematography Trust Fund Auckland Savings Bank Trust Fund	500 0 0	18,171 16 0	Debentures N.Z. Government Inscribed Stock 2	3,650 0 3 5,046 0 2 23,346 8 2	
Reserve for Depreciation of Investments	13,865 16 1 355 14 4		N.Z. War Loan N.Z. War Savings Investment Australian Commonwealth Stock	$3,500  0  0 \\ 1,982  10  0$	38.888 1 3
Life Membership Subscriptions Accumulating Endowment (Ambury Bequest)		18,029 7 4	Sundry Debtors— Subscriptions Cash— Bank of New Zealand		95 0 6

Reserves-

500 0 0

	nd Savings a Hand	Bank	ık				0 0	4.969	5
Balanc	i Expenditi e, 1/4/46 r. Balance,			s—	9,598 764	19	8	8 833	0

#### The following

#### Periodicals and Publications of Societies

are subscribed to by the Institute:

NATURE.
TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY.
NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY.
THE MUSEUMS JOURNAL.
THE PHILOSOPHICAL MAGAZINE.
THE AMERICAN JOURNAL OF SCIENCE.
THE AMERICAN JOURNAL OF SCIENCE.
THE PHYSICAL REVIEW.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.

JOURNAL OF THE CHEMICAL SOCIETY.
CHEMICAL REVIEWS.

THE GEOLOGICAL MAGAZINE.
QUANTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.
THE GEOGRAPHICAL JOURNAL.
THE GEOGRAPHICAL MAGAZINE.
ANNALS AND MAGAZINE OF NATURAL HISTORY.

ANNALS OF BOTANY,
JOURNAL OF BOTANY,
THE JOURNAL OF ECOLOGY,
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL
SOCIETY.

THE ZOOLOGICAL RECORD. PUBLICATIONS OF THE RAY SOCIETY. THE IBIS. THE EMU.

JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE ANTIQUITY.
JOURNAL OF EGYPTIAN ARCHAEOLOGY.

OCEANIA.
MANKIND.
JOURNAL OF THE POLYNESIAN SOCIETY.
ART IN NEW ZEALAND.
MIND.
THE ECONOMIC JOURNAL

JOURNAL OF THE STATISTICAL SOCIETY. QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY.

N.Z. HOMES AND GARDENING,
I.ANDFALL,
STAPPY PAGES (N.Z. ASTRONOMICAL)

STARRY PAGES (N.Z. ASTRONOMICAL SOCIETY)

#### List of Benefactions made to the

## Auckland Institute and Museum

of an amount (or value) exceeding £50.

#### MONETARY GIFTS

- Auckland Citizens: £2,026 subscribed towards first building.
- Mr. J. C. Firth donated £106 for show cases.
- Mr. Edw. Costley bequeathed £12,150 Mr. David Nathan bequeathed £100.
- Mr. T. Russell donated £100 for geological specimens
- Auckland Citizens subscribed £1,000 for Mair Collection.
- Mr. E. A. Mackechnie bequeathed £2,500.
- Auckland Citizens subscribed £662 for carved houses.
- Auckland Citizens subscribed £684 for ancient carvings
- Sir John Logan Campbell bequeatived £1,000 Institute Members subscribed £115 for Temple Bronzes.
- Sir Wm. H. Herries bequeathed £1,000
- Citizens subscribed £698 for Maori collections
- Institute Members subscribed £100 for Maori collection
- Sir James Gunson Presentation Committee presented £118 for Maori collection. Mr. David Goldie bequeathed £1,000.
- Mr. F. Shaw bequeathed £1,000
- Mr. S. J. Ambury bequeathed £250
- Mrs. R. M. Wilson: £50/10/-, given to establish the Sir Edwin Mitchelson Prize Fund.
- Mr. Maurice Harding bequeathed £500
- 1941 Mr. Ormsby Gore Adams bequeathed £100
- Mr. J. A. Pond bequeathed £100 to commemorate the scientific achievements of Thomas F. Cheeseman. Mr. E. Earle Vaile gave two blocks of shops and residences
- worth £10,000 as an endowment for ethnological collections and books.
  - Mr. R. C. Horton gave £200 towards extending the mineral collection. "Two Friends" gave £150 for Library book-cases
- £428 received on account of a bequest by Mr. C. V. Houghton. Mitchelson Prize Fund increased to £100.
- "Anonymous" gave £2.000 as an endowment for Cinemato-
  - Auckland Savings Bank gave £500 for improvements to Exhibition Halls

  - Auckland Electric Power Board gave £100.

    Mr. R. C. Horton gave £70 for purchase of Georgean Silver
    Tea Set.

#### SPECIMENS AND BOOKS.

- Mr. R. C. Barstow: Large collection of Maori articles. Mr. G. F. Edmonston: 564 volumes of scientific works.
- 18/8 Mr. T. Russell, C.M.G.: 34 casts from the antique. 1878-83 Mr. J. T. MacKelvie: 390 books and ethnology collection
  - Mr. C. O. Davis: Valuable Maori collection.

1901	Mr. L. D. Nathan: Japanese Shinto Shrine.
1913	Mr. Henry Shaw and Mr. F. Shaw: 172 scientific books. Hot Sir Edwin Mitchelson: Valuable Kauri Gum collection

- 1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
- 1916 Mr. Henry Shaw: Collection of Japanese art.
- 1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
- 1919 The Misses Yates: Collection of Indian weapons.
- 1920 Mr. James Dunning: Collection of North American Mammals.
- 1921 Mr. W. A. Aldred: Valuable collection of Maori specimens. Hon, J. B. Turner: Important Fijian ethnographical collection
- 1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Herbarium of native and foreign plants.
- Mr. Wm. Sutherland: Melanesian ethnographical collection. Mr. A. C. Caughey: Fijian and New Hebridean ethnographical collection.
  - Mr. R. A. Meek: Ethnographical specimens from Bismarck Group, Mesars, Samuel Vaile & Sons: Large collection of Maori greenstone articles. Sir Cecil Leys and Mrs. Selwyn Upton: The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific exhibits.
- 1926 Mr. Geo. F. Webster: Valuable Maori antiquities. Mr. H. R. Butheri: Collection of British coins. Mrs. E. M. Ball: The Thos. Ball Zoological collection. Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens. Mr. Hallyburton Johnstone: Silver cup presented by Queen Victoria in 1878 to the Royal George Yacht Club.
- 1927 Mr. F. Crossley Mappin: Valuable Maori carvings. Mr. Moss Davis: Valuable ethnograpical specimens
- 1928 Sir Cecil Leys and Mrs. Selwyn Upton: Unique and richly carved feather box.
  - Mr. J. R. Adams Wilkes: Ethnographical collections from Nigeria and New Guinea.
  - Mr. Harry Kinder: The Dr. Kinder Collection—Maori and Melanesian.
  - Mr. E. Earle Vaile: Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.
  - Mrs. S. J. Lushington: Large collection of mollusca.

1929 Mr. T. H. Barstow: Maori canoe prows and stern posts. Mr. W. R. McGregor: New Ireland carved memorial figures. Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.

Rev. W. H. Webster: Large collection of mollusca.
Mr. C. E. Clarke: Large e Hection of N.Z. Insects.
Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts.
Miss Webster and Mr. G. F. Webster; Water-colour drawings
of the Solomon Islands.

- Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Valie: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Mon eggs. Dr. L. Cockayne: Large collection of N.Z. plants.
- 1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities: additions to the Dr. T. W. Leys collection. Mrs. S. J. Luchington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Colus and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.
- 1933 Vaile Collection: Additional gift of many valuable Maori antiquities, Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of hetilooms of the Ngati-toa and Ngati-awa Tribes. Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including hand somely carved sternpost. The Admiratty: Model of H.M.S. New Zealand.
- Gaptain G. Humphreys-Davies: Large and valuable collection of Chinese pottery figures. Mrs. T. G. Russell: 255 volumes of chemical and physical works from the library of her father, the late Professor Brown. Mr. E. Earlet Valie: Yaluable Maori hei-tikl and Rapa Island stone artifacts. The Estate of the late H. E. Valie: Maori and Polynesian ethnographical collection; carvings and ornaments.
- 1937 Mr. E. Earle Vaile: Collection of ethnographical specimens and six Italian bronzes. Sir Algernon Thomas: Library of scientific books and papers.

- 1938 Mr. E. Earle Vaile: Gift of many early New Zealand books and journals. Mr. J. R. le B. Tomlin: Gift of valuable early editions of natural history works. Mr. F. Crossley Mappin: Early Chinese Pottery and Bronzes.
- 1939 Mr. E. Earle Vaile: Maori carvings, large Melanesian collection and gifts to the Library. Mr. J. R. le B. Tomlin: Gift of early Worcester china and early works on natural history. Mr. W. Goodfellow: Large Melanesian collection.
- 1941 Mr. H. R. Jenkins: Historic anchor associated with the ill-fated H.M.S. Bounty. Mrs. T. G. Russell: 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.
  - Mr. Ormsby Gore Adams bequeathed cinema camera, photographic equipment and nature films.
- 1942 Mrs. A. A. Richardson: The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern stides.
  - Col. the Hon. F. Waite, D.S.O., M.L.C.: Large collection of Egyptian pre-dynastic artifacts, flints, slate palettes, and pottery 7500-4300 B.C.; also pottery lamps of Egyptian, Roman, Greek and Arabic manufacture.
- Gaptain G. A. Humphreys-Davies: His extensive and valuable collection of Chinese arrs. Mr. E. Earle Valiet. Large collection of Chinese arrs. Mr. E. Earle Valiet. Large collection of books and pamphlets on exploration and early life in the South Pacific. Mrs. W. H. Hemingway: The late Mr. Hemingway's display and cabinet collections of insects. Lt. Col. the Hon. F. Waite, D.S.O., M.L.C.: Further collections from Egyptian Pre-dynastic. Dynastic and Ptolemaic periods.
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- 1945 Mr. W. G. White: A valuable very representative collection of Worcester and Chelsea China. Mr. E. Earle Vaile: Important Maori Ethnographical Collections, and books on South Pacific Exploration and New Zealand History.
- 1946 Mr. E. Earle Vaile: Gave a freehold section with a two-storey building in Queen Street worth over £30,000 as a further endowment for ethnographical collections and books.

#### **GIFTS**

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# Library and Museum

#### LIBRARY.

#### PERIODICALS

New Zealand Parliamentary Reports: Hansard, Monthly Abstract of Statistics, New Zealand Journal of Agriculture, Year Book, Publications Department of External Affairs, Wellington.
News Letters: Auxiliand Botanical Society, Personal Control of the Auxiliand Botanical Society, Personal Control of the Auxiliand Control of Control

Annals of the South African Museum.

Annals of the Transvaal Museum.

Transactions and Proceedings Geological Society of South Africa.

Bulletins of the Mauritius Institute.

Ceylor Journal of Science, Colombo.

Pacific Affairs: Dr. Archey.

Contributions of the Royal Oncitey of Canada.

Proceedings of Lowa Studies in Natural History.

Transactions of the Royal Society of Canada.

Bulletins and Repeat Society of Canada.

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Bulletins and Gransactions of the Noval Societs and Canada.

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Bulletins of the Canadies Corporation of New York.

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Bulletins, Museum of Comparative Zoology, Harvard.

Publications of The Peabody Museum, Harvard.

Bulletins and Circulars, U.S. Department of Agriculture.

"Natural History" and Reperts, American Museum of Natural History.

Proceedings and Bulletins of the U.S. National Museum.

Memoirs, Bulletins and Occasional Papers of the Bisbop Museum.

Botanical Papers, New York Botanical Garden.

Publications of the American Midland Naturalist, Indiana.

Proceedings of the Academy of Sciences of Philadelphia.

Bulletins: The University Museum, Philadelphia.

Publications of the California Academy of Science.

Marine Biology: Stanford University of California.

Bulletins of the Wagner Free Institute of Science, Publications of the California Academy of Science, Publications of the Morr

Cerstag: Omtrent het Rijksmuseum Van Natuurlijke Histoire te Leiden.

Meddelanden fran Geteborgs Botaniska Tradgard, Sweden Zoologiska Bidrag Fran Uppsala. Acta Phytogeographica Succica, Uppsala. "Discovery" Reports. "Discovery" Committee.

#### REPORTS.

Dominon Laboratory.

Dominon Laboratory.

Auckland Acclimatisation Society.

The Canterbury Museum.

New Zealand Control of Educational Research.

The Director of Forestry, Wellington.

The South Australian Museum.

National Art Gallery and Dominion Museum.

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Southland Museum Trust Board.

Wellington Branch of the Royal Society of New Zealand.

Canterbury Branch of the Royal Society of New Zealand.

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The New Zealand Numismatic Society.

The Australian Museum, Sydney.

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The Royal College of Surgeons, London.

Public Library and Museum, Derby.

City and County Borough of Belfast, North Ireland.

The Egypt Exploration Society.

The Norwegian Fishery, Bergen.

#### ACCESSIONS, 1946-47,

- Mr. F. C. Allen: Collection of mosses from Norfolk Island
- Dr. G. Archey: Set of Indonesian maps and ethnographical specimens from

- Mrs. 1, Datstow. Contextual of goal and strict Regiment, and pair of duelling pistols Mr. F. E. Basley; Maori stone implements. Mrs. E. Bell; Medals o. Sgt. James Phelps Williams and other mementos of Maori War.
- Capt. C. S. Belshaw: Ethnographical specimens from Ontong Java and the
- The late Mr. G. Blackwell: Maori stone implements.

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  Mr. P. C. Bull: Ornithological specimens and Maori adzes

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- Mr. Crowhurst: Nymphenberg white porcelain figure group and other orna
- Mr. J. F. Davern: Sand with crystals of olivine Mr. Davies: Mounted bird specimens.
- Mr. C. M. Davis: Old type spring balance. Mr. John Dawsen: Wooden maul from Lake St. John.

- Mr. J. de May: British commemorative medals.

  Dominion Museum: Casts of historical Maori articles.

  Brigadier W. W. Dove, C.B.E., M.C.: Maps of New Caledonia and memento literature of N.Z.E.F.I.P.
- Mr. N. Dyett: Collection of stone artifacts from Pitcairn Island. Deposited.
- Mr. N. Dyett: Collection of stone artifacts from Pitcarin Island. Deposited. Sir Albert Ellis, C.M.G.: Japanese weapons and equipment, S. Pacific zone. Mr. C. W. Firth: Geological specimens, Mr. W. E. Fisher: Sleeve of vestment of Rev. John Wesley; two other old
- Mr. M. F. Fitzgerald: Hybrid budgerigars

- Mr. M. F. Pritzgerant, Productionage Charles Rev. D. L. Francis: Collection of Melanesian photographs, Mrs. F. A. Garry: Photographs of former Maori guides. Geological Survey of Southern Rhodesia: Collection of minerals and rocks. Mr. G Gibb: Maori adzes and implements.

- Mr. Gron's Maori adzes and implements.
  Mr. Grin's Volcanic breecia.
  Mr. T. L. Grant Taylor: Linnacan Society gold medal awarded to the late
  Mr. T. F. Cheeseman.
  Mr. J. S. Gray: Maori cel-trap.

Mr. A. H. Hibbert: Sample rimu burr.

Mr. A. H. Hibbert: Sample rimu burr.

Alrs. C. H. Holland: Maori and Melanesian specimens.

Mr. T. H. Hopkins: Carved prow of war canoe, purchased by the donor in England.

Mr. R. C. Horton Fund: Selected mineral specimens from several localities. Mr. W. K. Howitt: Silver coins; British and foreign. Mr. W. Hudson: Whale boat model in silver made by Reuben Watts for

the donor's father

Orn State (Color) State (Color) and Color (Color) Art. Gainor Jackson: Early photographs of N.Z. Mr. Gilbert Jackson: Malayan sarong and kris; Siamese cutlasses. Mr. Edward Joy: Egyptian bead necklace: The late Dr. Hugh A. Keith: Collection of Indian swords, Borneo swords,

bamboo quiver and Samoan "fine mat."

Mrs. W. O. Kibble: Counterpane: American home-craft, c. 1840.
Mr. P. J. King: Three stone adzes.
Mr. C. I. Kissling: Whatchone mere; souvenir of the Battle of Ohacawai,
Esmond Kohn Bequest: Dutch table and specimens of European and Easter.

Mr. Henry Kuper: Five stone adzes

Miss J. Livingston: Botanical specimens.
Mr. Henry Lloyd: Fijian war club.
Mrs. W. B. Lord: Stone adze, Opotiki
Mrs. A. R. Mair: Sample beech with mistletoe showing haustoria.
Mrs. W. B. Martin: Bone kotiate.
Mrs. W. B. Martin: Specimens of rare mosses from Stewart Island.
Mr. H. E. Maude: Collection of stone artifacts from Pitcairn Island. Mr. H. E. Deposited

D. Mead: Fossiliferous agglomerate boulder of Waitakere Series,

At the College of the Museum of Anthropology, California: Collection of Californian Indian

Miseum of Antenopology, Canada the Canada th JAMANGUIZE: TWO WASH-GTAWINGS by Wm. Hodges, artist o second voyage; also drawing by unknown hand of "Resolution." Mr. McKenzie: Egg of megapode (Megapodius pritchardii). Mr. H. R. McKenzie: Ornithological specimens.

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Miss I. H. Pirrie: Bastite and enstratite.

Mr. H. L. Poole: 18 butterflies, Hiroshima district, Japan. Director, Post and Telegraph Dept., Wellington: A further series of N.Z. and Islands postage stamps

Mr. D. D. Potts: Maori and Moriori stone implements.
Mr. T. I. B. Prier: Stone toki, Te Puke.
Mr. R. E. W. Pudney: Orrery, made 1794 by W. Jones, London; and bones

A. T. Pycroft: Two mounted lyre birds' tails and sample wood of

Sir James Gunson Fund: Waka huia, carved feather -box.

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Mrs. R. Screaton: Pair of Chinese women's shoes. Mrs. H. Shellam: Croix de Guerre (French) awarded to Rifleman Harry

Mr. R. B. Sibsen: Specimens of goldfinch, killed against telegraph wires, Mrs. W. S. Spence: Small book of pressed seaweeds from Jersey, Channel Is. The late Mr. W. E. Spence: Small ethnographical collection, including material from India and flax swag straps from XZ. Risks: I. Stemet: Miniature of Thibetan Expedition medal; collection of

W/O1 Owen Stewart, R.A.F.: Folder containing maps, second Great War. Mr. Storrie: Two Japanese grenades and one American pineapple grenade.
Mr. D. N. Strang: Korowai cloak.
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Miss R. M. Thirkettle: Turkish dagger.
Mr. R. Walker: A mint set of the Christchurch Exhibition Stamps and a pair of the rare triangular Great Barrier 1s. Pigeon Post. Professor A. Wall: Packet of M.S. notes, plant-lists and letters to A. Wall from T. F. Cheeseman, L. Cockayne, D. Petrie, De Vries, etc. The late Mr. Wilton J. White: Flax swag straps, kumara weeder, two kahawai books, metal fish hook.
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Mr. J. C. Whitney: Sets of prints of water-colour drawings of Gallipoli by N. Wilkinson and Moore Jones.

Miss Ruth Winiata: Feather cape (Kahu huruhuru).

Mrs. I. Worthy: Two new species of the molluscan genus Verconella.
Mr. L. Young: Collection of silver, bronze and copper medals and paper

Auckland Zoological Park: Eggs: macaw (4): Burke parakeet (1): cockatiel (4).

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